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(54) ELECTROPHOTOGRAPHIC PHOTORECEPTOR, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC APPARATUS (57) Abstract:

PROBLEM TO BE SOLVED: To provide an electrophotographic photoreceptor capable of outputting a high-grade image attended with little positive ghost even in a new charging system and to provide a process cartridge and an electrophotographic

SOLUTION: The electrophotographic photoreceptor is used in an electrophotographic apparatus having a charging means consisting of charged particles based on electrically conductive particles of 10 µm to 10 nm particle diameter and a charged particle carrier having an electrically conductive elastic surface and supporting the charged particles, wherein the charged particles come in contact with a body to be charged to charge the surface of the body to be charged. The resistance of the particles supported on the carrier is 1012-10-1 Ω .cm and the amount of the particles supported is 0.1-50 mg/cm2. The photoreceptor has at least a photosensitive layer and an electric charge injection layer on an electrically conductive support and hole mobility μt (cm2/V.sec) in an electric field of 3 × 105 V/cm satisfies the formula μt>1 × 10-6 cm2/V.sec. The process cartridge has the photoreceptor.

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